

~~21~~. (New) A system for providing subscribers on an aircraft with communication services, said system including:

a wireless transmission cell installed on an aircraft to provide wireless communication between a subscriber on an aircraft and an aircraft transceiver;

an aircraft transceiver receiving communication from said subscriber through said wireless transmission cell and transmitting said communication from said aircraft to a terrestrial communications network; and

a terrestrial communications network receiving communications from said aircraft transceiver and relaying said communications to an external network.

22. (New) The system of claim 21 wherein said terrestrial communications network includes a network management server.

23. (New) The system of claim 22 wherein said network management server authenticates a subscriber's access to the wireless transmission cell.

24. (New) The system of claim 22 wherein said network management server authenticates a subscriber's access to the terrestrial communications network.

25. (New) The system of claim 21 wherein said external network includes the internet.

~~26.~~ (New) A system for providing subscribers on an aircraft with communication services, said system including:

a wireless transmission cell installed on an aircraft to provide wireless communication between a subscriber on an aircraft and an aircraft transceiver;

an aircraft transceiver receiving communication from said subscriber through said wireless transmission cell and transmitting said communication from said aircraft to a terrestrial communications network; and

a terrestrial communications network receiving communications from said aircraft transceiver and authenticating a subscriber's access to the aircraft transceiver.

27. (New) The system of claim 26 wherein said terrestrial communications network authenticates said subscriber's access using an web interface application.

28. (New) The system of claim 26 wherein said terrestrial communications network allocates an IP address to said subscriber.

29. (New) The system of claim 26 wherein said terrestrial communications network provides domain name server (DNS) configuration information to said subscriber.

30. (New) A system for providing subscribers on an aircraft with communication services, said system including:

a wireless transmission cell installed on an aircraft to provide wireless communication between a subscriber on an aircraft and an aircraft transceiver;

an aircraft transceiver receiving communication from said subscriber through said wireless transmission cell and transmitting said communication from said aircraft to a terrestrial communications network; and

a terrestrial communications network receiving communications from said aircraft transceiver and authenticating a subscriber's access to the wireless transmission cell.

31. (New) The system of claim 30 wherein said terrestrial communications network authenticates said subscriber's access using an web interface application.

32. (New) The system of claim 30 wherein said terrestrial communications network allocates an IP address to a subscriber.

33. (New) The system of claim 30 wherein said terrestrial communications network provides domain name server (DNS) configuration information to said subscriber.

34. (New) A system for providing subscribers on an aircraft with communication services, said system including:

a wireless transmission cell installed on an aircraft to provide wireless communication between a subscriber on an aircraft and an aircraft transceiver;

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an aircraft transceiver receiving communication from said subscriber through said wireless transmission cell and transmitting said communication from said aircraft to a terrestrial communications network; and

a terrestrial communications network receiving communications from said aircraft transceiver and adjusting the bandwidth allocated to communication between said subscriber and said wireless transmission cell.
